MOLDED FIBER
COLD-CHAIN SYSTEMS

Product Data Sheet – RENW FiberBox Medium (11L)

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The RENW® FiberBox Medium (11L / 11.6 Qt) is a rigid, moisture-barrier transport packaging solution made from renewable virgin cellulose fibers using patented thermoforming technology, designed for the refrigerated transport of fish, seafood, and cold-chain products.

1. Product information

Article number / GTIN	FPC-10705 – Box · GTIN 04262443850079 FPC-10706 – Lid · GTIN 04262443850086
Type of packaging	Unprinted transport box with interlocking lid
Outer dimensions box	approx. 395 × 295 × 170 mm / 15.6 × 11.6 × 6.7 in (L × W × H)
Inner dimensions box	approx. 310 × 218 × 150 mm / 12.2 × 8.6 × 5.9 in (L × W × H)
Outer dimensions lid	approx. 395 × 295 × 20 mm / 15.6 × 11.6 × 0.8 in (L × W × H)
Volume / filling weight	approx. 11 L (11.6 Qt) / approx. 5 kg (11 lbs) fish (reference)
Total weight	approx. 720 g / 1.59 lbs (box + lid)
Material identification	PAP 21 / suitable for food contact
FSC®	FSC Mix (SCS-COC-005171) on request – valid only with FSC claim on invoice/delivery note
Colour	Natural white
Production	Arnstadt, Germany
Units per HACCP pallet (box)	240 pcs
Units per HACCP pallet (lid)	720 pcs

2. Regulatory compliance of the raw materials and additives used

- US FDA 21 CFR § 176.170 and § 176.180 (Components of paper and paperboard in contact with aqueous, fatty, and dry foods) & FDA Seafood HACCP (21 CFR Part 123)
- Regulation (EC) No 1935/2004 on materials and articles intended to come into contact with food
- Regulation (EC) No 2023/2006 on good manufacturing practice (GMP), as last amended by Regulation (EU) 2025/351
- Packaging and Packaging Waste Regulation (PPWR) (EU) 2025/40, in force since 11 Feb 2025, applicable since 12 Aug 2026
- German Food and Feed Code (LFGB) as promulgated on 15 Sept 2021 (BGBl. I p. 4253), as last amended by Art. 3 of the Act of 3 Feb 2026 (BGBl. 2026 I No. 29)
- German Consumer Goods Ordinance (Bedarfsgegenständeverordnung) as promulgated on 23 Dec 1997 (BGBl. 1998 I p. 5), as last amended by Art. 1 of the Ordinance of 19 Dec 2025 (BGBl. 2025 I No. 379)
- Recommendation XXXVI of the German Federal Institute for Risk Assessment (BfR) on paper and board for food contact, version of 1 Oct 2025

Substance-related information

- Heavy metals: sum of lead, cadmium, mercury and hexavalent chromium < 100 mg/kg (limit per PPWR Art. 5(4) & US CONEG Toxics in Packaging); not intentionally added
- Mineral oil (MOSH/MOAH): no intentionally added mineral oils (raw-material and additive supplier declarations); exclusive use of virgin fibre – recycled fibre as the primary MOSH/MOAH source is excluded
- POSH/PAO: no intentionally added polyolefin oligomers (POSH) or polyalphaolefins (PAO)
- Phthalates: not intentionally added (based on supplier declarations)
- PFAS: not intentionally added (based on supplier declarations)

3. Food contact, recycling & disposal

- Food-contact testing by Eurofins, report AR-26-JR-004078-02 (7 April 2026): BfR Recommendation XXXVI and US FDA 21 CFR § 176.170
- Recyclability 85 %, confirmed by cyclos-HTP, certificate no. 2782-2026-005174 (EU mixed waste paper stream); applies to unprinted and unlabelled goods
- Disposal via the paper and board collection; recovered paper grade 1.01.00 according to EN 643

4. Product features

- Temperature stability: at least 5 days with active cooling at 0–2 °C (32–35.6 °F) and 90–95 % relative humidity under full load
  - Tested with TransGourmet Seafood, Bremerhaven, February 2026
  - 4 boxes stacked recommended commercial pallet configuration (5–6 kg of ice per box – structurally stable for more than 10 days with dynamic transit G-force headroom; 100 kg / 220 lbs static top-load tested per DIN EN ISO 12048)

5. Storage instructions

- Do not expose to direct sunlight
- Shelf life of unused boxes and lids: at least 12 months

The information in this data sheet reflects our current state of knowledge. The user is solely responsible for determining the suitability of the product for its intended use. RENW Inc. cannot control the application, use or processing of the products and therefore assumes no liability for damages resulting from improper use. We recommend conducting your own tests under the specific conditions of your operation.